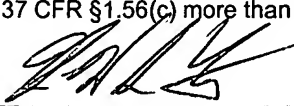
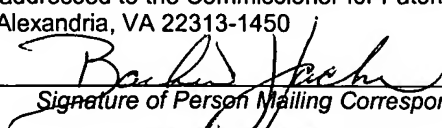
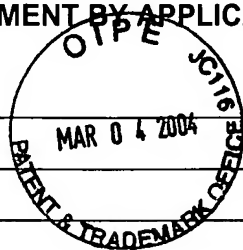


<b>TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT</b> Under 37 CFR 1.97(b), (c), or (d)			Docket No. <b>YOR920030523US1</b>
In re Application of: <b>Popescu, et al.</b>			
Serial No. <b>10/725,298</b>	Filing Date <b>December 1, 2003</b>	Examiner	Group Art Unit
<b>TITLE PAGE</b> <b>METHOD AND APPARATUS TO SUPPORT APPLICATION AND NETWORK AWARENESS OF COLLABORATIVE APPLICATIONS USING MULTI-ATTRIBUTE CLUSTERING</b>			
Address to: Commissioner for Patents Alexandria, VA 22313-1450			
<b>37 CFR 1.97(b)</b>			
1. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.			
<b>37 CFR 1.97(c)</b>			
2. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), but prior to the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by the statement or fee as indicated below.			
<b>37 CFR 1.97(d)</b>			
3. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(c), but on or before payment of the issue fee and is accompanied by the statement and fee as indicated below.			
<b>Required Statements and/or Fees Under 37 CFR 1.97(c) or (d)</b>			
<input type="checkbox"/> Each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement. (37 CFR 1.97(e)(1))			
<input type="checkbox"/> No item of information in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned person, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement. (37 CFR 1.97(e)(2))			
<input type="checkbox"/> The fee set forth in 37 CFR 1.17(p). Please credit any overpayment or charge any insufficiencies to deposit account number 20-0782.			
<b>37 CFR §1.704(d)</b>			
4. <input type="checkbox"/> Each item of information in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 CFR §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.			
 Kin-Wah Tong Reg. No. 39,400 Moser, Patterson & Sheridan, LLP Attorneys at Law 595 Shrewsbury Avenue, Suite 100 Shrewsbury, New Jersey 07702 732-530-9404		Dated: <u>2/27/04</u> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <b>Certificate of Mailing by First Class Mail</b>          I certify that this document is being deposited on <u>3-1-2004</u> with the U.S. Postal Service as first class mail under 37 CFR §1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450            Signature of Person Mailing Correspondence  <b>Barbara J. Jackson</b>          Typed or Printed Name of Person Mailing Correspondence       </div>	

U.S. Department of Commerce, Patent and Trademark Office		Docket No.	Serial No.
(PTO Form 1449 modified)		YOR920030523US1	10/725,298
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Applicant Popescu, et al.	Confirmation No.:
(Use several sheets if necessary)		Filing Date	Group
	Examiner	December 1, 2003	

**U.S. Patent Documents**

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A1			.			
	A2						

**Foreign Patent Documents**

*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
	B1						<input type="checkbox"/>	<input type="checkbox"/>
	B2						<input type="checkbox"/>	<input type="checkbox"/>

**OTHER ART**

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
	C1	Aggarwal, et al., "Finding Generalized Projected Clusters in High Dimensional Spaces," SIGMOD-00, 2000
	C2	Banavar, et al., "An Efficient Multicast Protocol for Content-Based Publish-Subscribe Systems," Intl Conf on Distributed Computing Systems, (ICDSC '99) Austin, TX, May1999, 262-272
	C3	Banerjee et al., "Scalable Application Layer Multicast," ACM Sigcomm, August 2002
	C4	Chang, et al., "Scalable and Efficient Update Dissemination for Interactive Distributed Applications," ICDCS 2002, July 2002, Vienna 1-9
	C5	Chu et al., "Enabling Conferencing Applications on the Internet using an Overlay Multicast Architecture", Proceedings of ACM SIGCOMM, San Diego, CA, August 2001
	C6	Chu et al., "A Case For End System Multicast", Proceedings of ACM Sigmetrics, Santa Clara, CA, June 2000, pp 1-12
	C7	El-Sayed, et al., "A Survey of Proposals for an Alternative Group Communication Service," IEEE Network, Jan/Feb 2003, 2-7
	C8	Jain, et al., "Data Clustering: A Review," ACM Computing Surveys, 31 (3), Sept. 1999, 264-323
	C9	Krishnamurthy, et al., "On Network-Aware Clustering of Web Clients," SigCOMM 2000
	C10	Liebeherr, et al, "Application-Layer Multicasting with Delaunay Triangulation Overlays," IEEE GLOBECOM '01, November 2001
	C11	Morse, et al., "Interest Management in Large-Scale Virtual Environments," Presence, 9(1), Feb 2000, 52-68

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(Use several sheets if necessary)		Filing Date	Group
	Examiner	December 1, 2003	

C12	Ng et al., "Predicting Internet Network Distance with Coordinates-Based Approaches", © 2000 IEEE, INFOCOM'02, New York, NY, June 2002
C13	Liu, et al., "Method and Apparatus for Virtualizing Network Resources," U.S. Patent Application, Serial No. 10/726,002, Filed December 1, 2003
C14	Popescu, et al., "Method and Apparatus for Providing Dynamic Group Management For Distributed Interactive Applications," U.S. Patent Application, Serial No. 10/723,227, Filed November 26, 2003
C15	Ratnasamy, et al., "A Scalable Content-Addressable Network," Proc ACM SIGCOMM '01, August 27-31, 2001, San Diego, CA 161-172
C16	Riabov, et al., "Clustering Algorithms for Content-Based Publication-Subscription System," Proc. 22 <sup>nd</sup> Intl Conf Distributed Computing Systems (ISDCS'02), 1-10
C17	Stoica, et al., "Internet Indirection Infrastructure," SIGCOMM '02 Pittsburgh, PA, USA © 2002,
C18	Stoica, et al., "Chord, A Scalable Peer-to-peer Lookup Service for Internet Applications," Proc of ACM SIGCOMM '01, August 27-31, 2001, San Diego, CA 149-160
C19	Wong, et al., "An Evaluation of Preference Clustering in Large-Scale Multicast Applications," IEEE INFOCOM 2000, Tel Aviv, 451-260
C20	
Examiner	
Date Considered	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.	